

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Algebra 1A Pd: \_\_\_\_\_

**Weekend Word Problem #4: Distributive Property**

**Situation:** Khalil, Chris, Aminah and Nia each have some candy. Chris has twice as much candy as Khalil. Aminah has six fewer candies than Chris. Nia has three times as much candy as Aminah.

1. Let  $n$  = the number of candies Khalil has. Please write an expression for the number of candies Chris has using the variable  $n$ , integers and any necessary operations or parentheses.

2. Now, please write an expression for the number of candies Aminah has using the variable  $n$ , integers and any necessary operations or parentheses.

3. Next, please write an expression for the number of candies Nia has using the variable  $n$ , integers and any necessary operations or parentheses.

4. Finally, write an expression for the total number of candies Khalil, Chris, Aminah and Nia have all together using the variable  $n$ , integers and any necessary operations or parentheses.

5. Please simplify the expression from #4.

6. Using algebraic terms, please explain how you created the expression for Nia's candies. Write at least TWO COMPLETE sentences.

---

---

---

---

---

7. Using algebraic terms, please explain how you SIMPLIFIED the expression completely (in #5). Write at least TWO COMPLETE sentences.

---

---

---

---

---

---

